



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/767,878

01/28/2004

Naoki Asada

60717 (70904)

4109

7590 09/27/2007  
Edwards & Angell, LLP  
Intellectual Property Practice Group  
P.O. Box 55874  
Boston, MA 02205

EXAMINER

GYORFI, THOMAS A

ART UNIT

PAPER NUMBER

2135

MAIL DATE

DELIVERY MODE

09/27/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Office Action Summary**

Application No.

10/767,878

Applicant(s)

ASADA ET AL.

Examiner

Tom Gyorfi

Art Unit

2135

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 12 July 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

1. Claims 1-22 remain for examination. The correspondence filed 7/12/07 amended claims 1, 2, 7, 9-13, and 17-22.

### ***Response to Arguments***

2. Applicant's arguments with respect to claims 1-22 have been considered but are moot in view of the new ground(s) of rejection.
3. Any statements of Official Notice made in the previous Office Action not traversed by the Applicant in the correspondence of 7/12/07 are now taken as admissions of prior art, as per MPEP 2144.03(C).

### ***Claim Objections***

4. Claim 7 is objected to because of the following informalities: the status identifier is listed as "Original", however the correspondence filed 7/12/07 amended the claim. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 103***

5. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

6. Claims 1-14 and 17-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Burns (U.S. Patent 6,405,315), and further in view of Miyazaki et al. (U.S. Patent Application Publication 2002/0174369).

Regarding claims 1 and 18:

Burns discloses an electronic device network system comprising: an electronic device for transmitting data via a network (a network client, col. 5, lines 55-60); a plurality of storing means for storing data transmitted from the electronic device (the storage devices, *Ibid*); a plurality of external devices for acquiring data from the storing means and processing the acquired data (other network clients, *Ibid* and Figure 1); the network connecting the storing means, the electronic device, and the external devices to one another (*Ibid*, and Figs. 1 & 2), wherein the electronic device, at least one of the plurality of storing means, and at least one of the external devices each have a security function (col. 5, lines 25-45). Per claim 18, Burns also discloses said method searching for a storing means and an external device whose respective security functions match a security level set by a user, when the electronic device transmits data (Figure 7).

Although Burns disclose a setting section for setting a security level for the data to be transmitted, the set security level being selected by a user from a plurality of identified security levels (col. 9, lines 1-25), it does not appear to disclose wherein the security levels are associated with a device. However, Miyazaki discloses wherein individual computers/storage devices can have security levels (paragraphs 0040-0044 and 0060), including a setting section for setting a security level for the data to be

Art Unit: 2135

transmitted, the set security level being selected by a user from a plurality of identified security levels (paragraph 0061; see also Figures 6-8). It would have been obvious to one of ordinary skill in the art at the time the invention was made to use security levels as disclosed by Miyazaki in the invention disclosed by Burns. The motivation for doing so would be to make that invention suitable for certain secure governmental uses (Miyazaki, paragraphs 0005-0007).

Regarding claim 17:

Burns discloses a data receiver search system comprising: a plurality of storing means with different security levels for storing data (col. 5, lines 55-60); a plurality of external devices for acquiring data from the storing means and processing the acquired data (other network clients, *Ibid*); an electronic device connected to the storing means and the external devices via a network (the owner's network client, *Ibid*); and a search device, connected to the electronic device, for searching for a storing means that satisfies predetermined conditions (Figure 7); the electronic device including: a transmission section for transmitting data to the storing means (col. 3, lines 10-25); a setting section for enabling a user to set a security level for transmitted data (*Ibid*), the search device including a search section for a storing means according to the security level set in the setting section, so that the transmitted data is received by the storing means so searched (Details on selected File Operation Parameters: col. 12, line 52 – col. 13, line 35).

Although Burns disclose a setting section for setting a security level for the data to be transmitted, the set security level being selected by a user from a plurality of identified security levels (col. 9, lines 1-25), it does not appear to disclose wherein the security levels are associated with a device. However, Miyazaki discloses wherein individual computers/storage devices can have security levels (paragraphs 0040-0044 and 0060), including a setting section for setting a security level for the data to be transmitted, the set security level being selected by a user from a plurality of identified security levels (paragraph 0061; see also Figures 6-8). It would have been obvious to one of ordinary skill in the art at the time the invention was made to use security levels as disclosed by Miyazaki in the invention disclosed by Burns. The motivation for doing so would be to make that invention suitable for certain secure governmental uses (Miyazaki, paragraphs 0005-0007).

Regarding claim 2:

Burns and Miyazaki further disclose wherein the plurality of storing means includes a first storing means having a higher security level, and a second storing means having a lower security level (col. 13, lines 5-15); the electronic device includes a setting section for enabling a user to set a security level for transmitted data (Miyazaki: paragraph 0061), and the electronic device network system further comprising a search means for searching a storing means according to the security level set in the setting section, so that the transmitted data is received by the storing means so searched (col. 10, lines 20-50).

Art Unit: 2135

Regarding claim 3:

Burns further discloses wherein the first storing means transmits data by encrypting the data (col. 5, lines 25-45), and the second storing means transmits data without encrypting the data (col. 2, lines 4-27).

Regarding claim 5:

Burns discloses wherein each of the storing means can either be on a local area network [i.e. not having access to the Internet] or other network means (col. 5, lines 5-10). Additionally, the prior art technologies that Burns discloses as being analogous to that invention (e.g. NFS, col. 2, lines 5-20) were capable of being connected to the Internet (cf. "more NFS over TCP stuff" reference). Accordingly, it would have been obvious to one of ordinary skill in the art to construe the "other network types" as the Internet itself, as Burns discloses that there existed a need for the ability to share data remotely in an identical manner to how one would access it locally (col. 1, lines 20-30).

Regarding claim 4:

The rationale for rejection of claim 5 also applies to the rejection of claim 4. Furthermore, one of ordinary skill in the art at the time the invention was made would have known to use a firewall to limit access to devices on the Internet, particularly as firewalls are designed to implement access control policy (see page 4 of the enclosed "Firewalls FAQ"; cf. Burns, col. 13, lines 5 and 33)

Art Unit: 2135

Regarding claim 6:

Burns further discloses wherein the electronic device, at least one of the plurality of storing means, and at least one of the external devices each have a communications function for encrypted data (col. 5, lines 25-45).

Regarding claim 7:

Burns further discloses search means for searching an electronic device, a storing means, and an external device according to security levels of the respective security functions of the electronic device, at least one of the plurality of storing means, and at least one of the plurality of external devices (col. 10, lines 20-50; Figure 7).

Regarding claims 8 and 19:

Burns further discloses search means for searching for an external device according to locations or function of the external devices (Ibid).

Regarding claims 9, 10, and 20:

Burns further discloses wherein the search means searches for a transmission route of the transmitted data from the electronic device to the storing means or external device (Ibid, and also col. 5, lines 25-45).



Regarding claim 11:

Burns further discloses wherein the external devices each include a search section for searching for a storing means whose security level matches a security level of an external device making the search (col. 10, lines 20-50).

Regarding claim 12:

Burns further discloses wherein the electronic device includes a displaying means for displaying a result of search made by a search means according to search conditions (e.g. the "ls" command inherent to Unix-based systems: col. 9, lines 20-25).

Regarding claim 13:

Burns further discloses wherein the respective security functions of the electronic device, at least one of the plurality of storing means, and at least one of the plurality of external devices are rendered depending on whether the electronic device, the storing means, and the external devices belong to which of a plurality of networks that are connected to one another via access control means (col. 10, lines 20-50).

Regarding claim 14:

It is taken as Applicant admitted prior art that the computers used in the Burns system would have a monitor or other visual display means, which would make them an "image forming device" under the broadest possible definition in the art. Additionally, Miyazaki discloses this limitation (paragraph 0038).

Regarding claim 21:

Miyazaki further discloses prohibiting the transmission of data from the electronic device or from the storing means when the respective associated security levels of the electronic device, the storing means, and the external devices do not match the security level as established by the user (paragraph 0164) and allowing transmission of data when the electronic device, the storing means, and the external devices do not match the security level as established by the user (Ibid).

Regarding claim 22:

Burns further discloses wherein when stored data in a storing means needs to be outputted from an external device but an external device and a storing means have different associated security levels so that the data is prevented from being transmitted from the storing means to the external device, repeating said step of searching to identify another given external device whose security level matches the security level of the storing means storing the necessary data (col. 10, lines 20-50; col. 13, lines 1-35).

7. Claims 15 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Burns in view of Miyazaki as applied to claims 1 and 14 above, and further in view of Tomat (U.S. Patent 6,459,499).

Regarding claims 15 and 16:

Burns and Miyazaki disclose or suggest all the limitations of claims 1 and 14 above. Neither Burns nor Miyazaki disclose that the electronic device is a scanner;

Art Unit: 2135

however, Tomat discloses that scanners were capable of transmitting data via a network (col. 2, lines 33-45). It would have been obvious to one of ordinary skill in the art at the time the invention was made to use a scanner as the electronic device to transmit data via a network to the distributed storage of Burns (in view of Miyazaki). The motivation for doing so would be to make it easy for a user to send scanned images to remote systems with a minimum of user intervention (col. 2, lines 5-25).

### ***Conclusion***

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

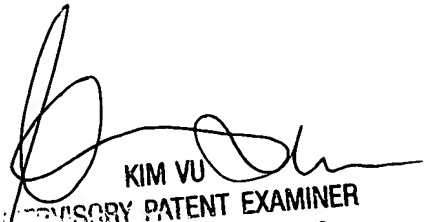
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tom Gyorfi whose telephone number is (571) 272-3849. The examiner can normally be reached on 8:30am - 5:00pm Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on (571) 272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TAG  
9/19/07

  
KIM VU  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100